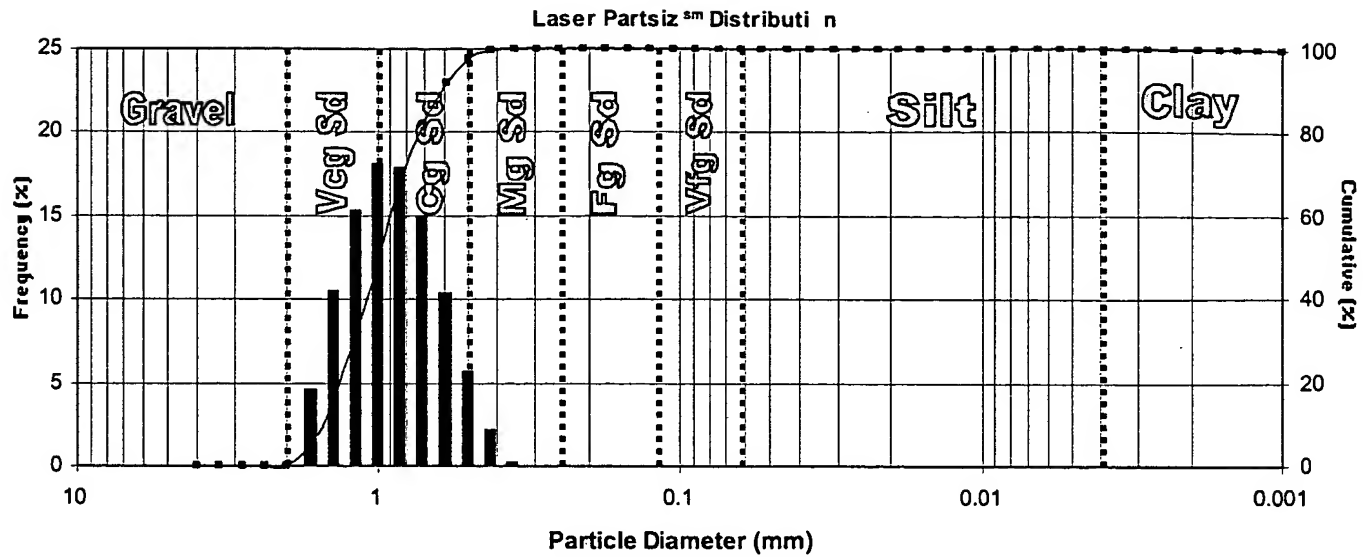
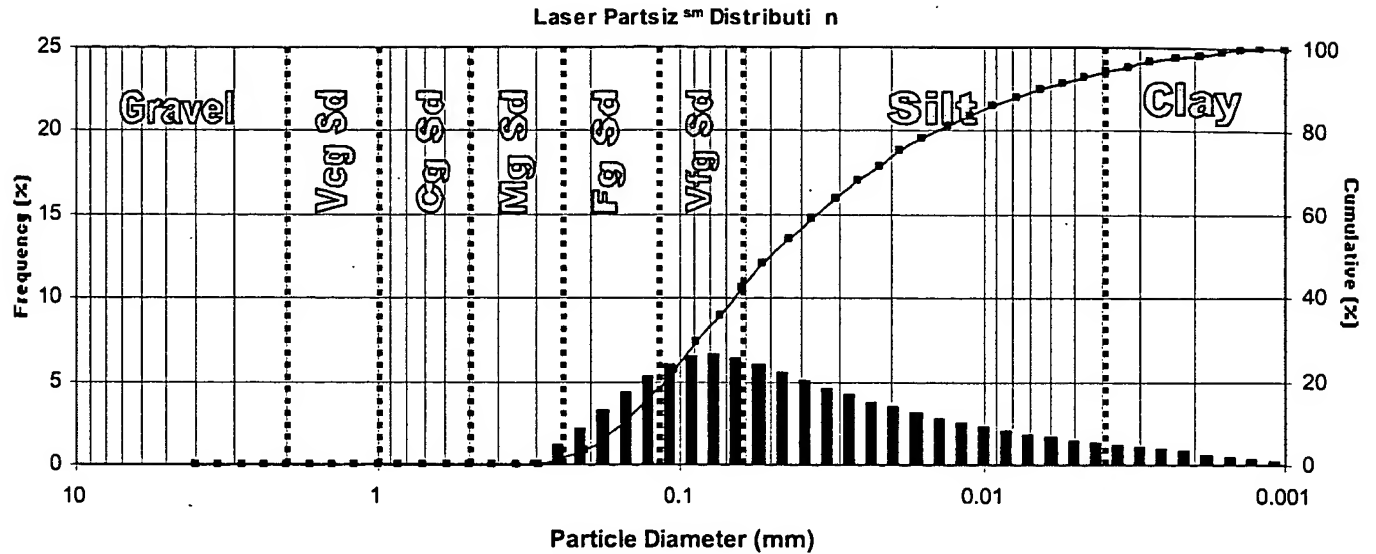


Appendix A1



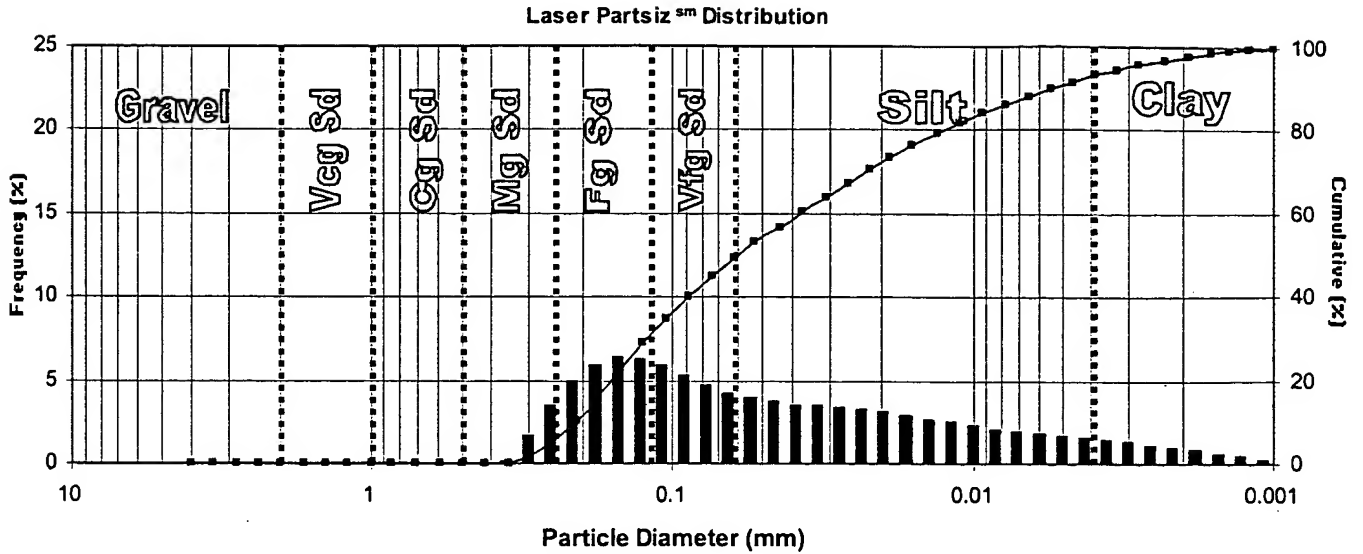
GRAIN SIZE DISTRIBUTION							SORTING PARAMETERS			
MESH	PHI	INCH	MM	SEP	SEP	CUM				
	5	-2.00	0.1575	4.0000	0.0	0.0	PERCENTILES:			
	6	-1.75	0.1323	3.3600	0.0	0.0				
	7	-1.50	0.1114	2.8300	0.0	0.0				
	8	-1.25	0.0937	2.3800	0.0	0.0				
GRAVEL	10	-1.00	0.0787	2.0000	0.0	0.0				
	12	-0.75	0.0661	1.6800	4.6	4.6				
	14	-0.50	0.0555	1.4100	10.5	15.2				
	16	-0.25	0.0469	1.1900	15.4	30.6				
VCRS SD	18	0.00	0.0394	1.0000	18.1	48.6				
	20	0.25	0.0335	0.8500	17.9	66.5				
	25	0.50	0.0280	0.7100	14.9	81.4				
	30	0.75	0.0236	0.6000	10.4	91.8				
CRS SD	35	1.00	0.0197	0.5000	5.7	48.9				
	40	1.25	0.0165	0.4200	2.2	99.7				
	45	1.50	0.0138	0.3500	0.3	100.0				
MED	50	1.75	0.0117	0.2970	0.0	100.0				
SAND	60	2.00	0.0098	0.2500	0.0	2.5				
	70	2.25	0.0083	0.2100	0.0	100.0				
	80	2.50	0.0070	0.1770	0.0	100.0				
FINE	100	2.75	0.0058	0.1490	0.0	100.0	SURFACE AREA (m²/cc) : 0.0077			
SAND	120	3.00	0.0049	0.1250	0.0	0.0				
	140	3.25	0.0041	0.1050	0.0	100.0				
	170	3.50	0.0035	0.0880	0.0	100.0				
VFINE	200	3.75	0.0029	0.0740	0.0	100.0	STD DEVIATION (mm) : 0.3577			
SAND	230	4.00	0.0024	0.0620	0.0	0.0				
	270	4.25	0.0021	0.0530	0.0	100.0				
	325	4.50	0.0017	0.0440	0.0	100.0				
CRS	400	4.75	0.0015	0.0370	0.0	100.0	STD DEVIATION (Inches) : 0.0141			
SILT	500	5.00	0.0014	0.0310	0.0	0.0				
	5.25	0.0010	0.0260	0.0		100.0				
	5.50	0.0009	0.0220	0.0		100.0				
MED	5.75	0.0007	0.0190	0.0		100.0				
SILT	6.00	0.0006	0.0160	0.0	0.0	100.0	GRAVEL PACK : 10/20			
	6.25	0.0005	0.0130	0.0		100.0				
	6.50	0.0004	0.0110	0.0		100.0				
FINE	6.75	0.0003	0.0093	0.0		100.0				
SILT	7.00	0.0003	0.0078	0.0	0.0	100.0				
	7.25	0.0002	0.0065	0.0		100.0				
	7.50	0.0002	0.0055	0.0		100.0				
VFINE	7.75	0.0002	0.0046	0.0		100.0				
SILT	8.00	0.0001	0.0039	0.0	0.0	100.0				
	8.25	0.0001	0.0033	0.0		100.0				
	8.50	0.0001	0.0028	0.0		100.0				
	8.75	0.0001	0.0023	0.0		100.0				
	9.00	0.0000	0.0019	0.0		100.0				
	9.25	0.0000	0.0016	0.0		100.0				
	9.50	0.0000	0.0014	0.0		100.0				
	9.75	0.0000	0.0012	0.0		100.0				
CLAY	10.00	0.0000	0.0010	0.0	0.0	100.0				
							* COMPUTED USING MILLIMETER VALUES			
							** COMPUTED USING PHI VALUES			

Appendix A2



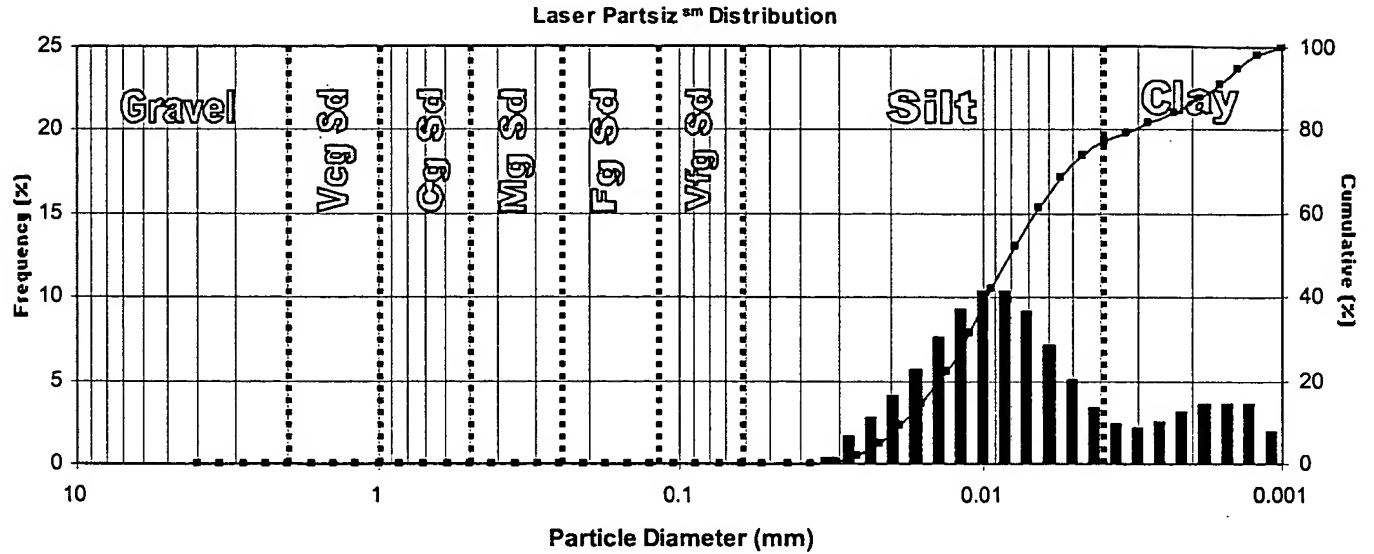
GRAIN SIZE DISTRIBUTION							SORTING PARAMETERS								
	MESH	PHI	INCH	MM	SEP	SEP	CUM								
GRAVEL	5	-2.00	0.1575	4.0000	0.0		0.0	PERCENTILES:							
	6	-1.75	0.1323	3.3600	0.0		0.0								
	7	-1.50	0.1114	2.8300	0.0		0.0								
	8	-1.25	0.0937	2.3800	0.0		0.0								
	10	-1.00	0.0787	2.0000	0.0	0.0	0.0								
VCRS SD	12	-0.75	0.0661	1.6800	0.0		0.0			mm	Inches	phi			
	14	-0.50	0.0555	1.4100	0.0		0.0		5	0.1961	0.0077	2.3504			
	16	-0.25	0.0469	1.1900	0.0		0.0		10	0.1573	0.0062	2.6681			
	18	0.00	0.0394	1.0000	0.0	0.0	0.0		16	0.1280	0.0050	2.9659			
	20	0.25	0.0335	0.8500	0.0		0.0		25	0.0991	0.0039	3.3345			
CRS SD	25	0.50	0.0280	0.7100	0.0		0.0	50	0.0505	0.0020	4.3082				
	30	0.75	0.0236	0.6000	0.0		0.0	75	0.0191	0.0008	5.7094				
	35	1.00	0.0197	0.5000	0.0	0.0	0.0	84	0.0107	0.0004	6.5519				
	40	1.25	0.0165	0.4200	0.0		0.0	90	0.0063	0.0002	7.3169				
	45	1.50	0.0138	0.3500	0.0		0.0	95	0.0035	0.0001	8.1656				
MED SAND	50	1.75	0.0117	0.2970	0.2		0.2	SURFACE AREA (m²/cc): 0.4413							
	60	2.00	0.0098	0.2500	1.2	1.4	1.4								
	70	2.25	0.0083	0.2100	2.2		3.6								
	80	2.50	0.0070	0.1770	3.3		6.9								
	100	2.75	0.0058	0.1490	4.4		11.3								
FINE SAND	120	3.00	0.0049	0.1250	5.4	15.2	16.7					STD DEVIATION (mm): 0.0587			
	140	3.25	0.0041	0.1050	6.1		22.8								
	170	3.50	0.0035	0.0890	6.5		29.3								
	200	3.75	0.0029	0.0740	6.6		35.9								
	230	4.00	0.0024	0.0620	6.5	25.7	42.4								
VFINE SAND	270	4.25	0.0021	0.0530	6.1		48.4	STD DEVIATION (Inches): 0.0023							
	325	4.50	0.0017	0.0440	5.6		54.0								
	400	4.75	0.0015	0.0370	5.1		59.1								
	450	5.00	0.0014	0.0310	4.6	21.4	63.7								
	500	5.25	0.0010	0.0260	4.2		67.9								
MED SILT		5.50	0.0009	0.0220	3.8		71.7					GRAVEL PACK: 40/60			
		5.75	0.0007	0.0190	3.4		75.1								
		6.00	0.0006	0.0160	3.1	14.5	78.2								
		6.25	0.0005	0.0130	2.8		81.0								
		6.50	0.0004	0.0110	2.5		83.5								
FINE SILT		6.75	0.0003	0.0093	2.2		85.8	TRASK* FOLK** MOMENT**							
		7.00	0.0003	0.0078	2.0	9.6	87.8								
		7.25	0.0002	0.0065	1.8		89.6								
		7.50	0.0002	0.0055	1.7		91.3								
		7.75	0.0002	0.0046	1.5		92.8								
VFINE SILT		8.00	0.0001	0.0039	1.4	6.3	94.1					MEAN 0.0591 4.6087 4.8016 MEDIAN 0.0505 4.3082 4.3082 SORTING 2.2775 1.7776 1.7573 SKEWNESS 0.7438 0.2890 0.7331 KURTOSIS 0.2649 1.0035 2.9118			
		8.25	0.0001	0.0033	1.2		95.4								
		8.50	0.0001	0.0028	1.1		96.5								
		8.75	0.0001	0.0023	1.0		97.4								
		9.00	0.0000	0.0019	0.8		98.2								
CLAY		9.25	0.0000	0.0016	0.6		98.9	* COMPUTED USING MILLIMETER VALUES ** COMPUTED USING PHI VALUES							
		9.50	0.0000	0.0014	0.5		99.4								
		9.75	0.0000	0.0012	0.4		99.8								
		10.00	0.0000	0.0010	0.2	5.9	100.0								

Appendix A3



GRAIN SIZE DISTRIBUTION							SORTING PARAMETERS												
	MESH	PHI	INCH	MM	SEP	SEP	CUM												
GRAVEL	5	-2.00	0.1575	4.0000	0.0		0.0	PERCENTILES:											
	6	-1.75	0.1323	3.3600	0.0		0.0												
	7	-1.50	0.1114	2.8300	0.0		0.0												
	8	-1.25	0.0937	2.3800	0.0		0.0												
	10	-1.00	0.0787	2.0000	0.0	0.0	0.0												
VCRS SD	12	-0.75	0.0661	1.6800	0.0		0.0	<div>mm inches phi</div> <div>5 0.2539 0.0100 1.9777</div> <div>10 0.2123 0.0084 2.2359</div> <div>16 0.1783 0.0070 2.4874</div> <div>25 0.1397 0.0055 2.8392</div> <div>50 0.0599 0.0024 4.0616</div> <div>75 0.0174 0.0007 5.8425</div> <div>84 0.0092 0.0004 6.7595</div> <div>90 0.0054 0.0002 7.5392</div> <div>95 0.0031 0.0001 8.3425</div>											
	14	-0.50	0.0555	1.4100	0.0		0.0												
	16	-0.25	0.0469	1.1900	0.0		0.0												
	18	0.00	0.0394	1.0000	0.0	0.0	0.0												
CRS SD	20	0.25	0.0335	0.8500	0.0		0.0					SURFACE AREA (m^2/cc): 0.4722							
	25	0.50	0.0280	0.7100	0.0		0.0												
	30	0.75	0.0236	0.6000	0.0		0.0												
	35	1.00	0.0197	0.5000	0.0	0.0	0.0												
MED SAND	40	1.25	0.0165	0.4200	0.0		0.0									STD DEVIATION (mm): 0.0845			
	45	1.50	0.0138	0.3500	0.1		0.1												
	50	1.75	0.0117	0.2970	1.6		1.8												
	60	2.00	0.0098	0.2500	3.5	5.3	5.3												
FINE SAND	70	2.25	0.0083	0.2100	5.0		10.3	STD DEVIATION (inches): 0.0033											
	80	2.50	0.0070	0.1770	6.0		18.2												
	100	2.75	0.0058	0.1490	6.3		22.6												
	120	3.00	0.0049	0.1250	6.3	23.6	28.8												
VFINE SAND	140	3.25	0.0041	0.1050	5.9		34.7					GRAVEL PACK: 40/60							
	170	3.50	0.0035	0.0880	5.3		40.0												
	200	3.75	0.0029	0.0740	4.8		44.8												
	230	4.00	0.0024	0.0620	4.3	20.2	49.1												
CRS SILT	270	4.25	0.0021	0.0530	3.9		53.0									<div>TRASK* FOLK** MOMENT**</div> <div>MEAN 0.0786 4.4362 4.6266</div> <div>MEDIAN 0.0599 4.0616 4.0616</div> <div>SORTING 2.8317 2.0324 1.9997</div> <div>SKEWNESS 0.6790 0.3041 0.6477</div> <div>KURTOSIS 0.2956 0.8685 2.4930</div>			
	325	4.50	0.0017	0.0440	3.7		56.7												
	400	4.75	0.0015	0.0370	3.5		60.2												
	500	5.00	0.0014	0.0310	3.5	14.6	63.7												
MED SILT	5.25	0.0010	0.0260	3.4			67.1	* COMPUTED USING MILLIMETER VALUES ** COMPUTED USING PHI VALUES											
	5.50	0.0009	0.0220	3.3			70.3												
	5.75	0.0007	0.0190	3.1			73.5												
	6.00	0.0006	0.0160	2.9	12.7		76.4												
FINE SILT	6.25	0.0005	0.0130	2.7			79.1												
	6.50	0.0004	0.0110	2.5			81.6												
	6.75	0.0003	0.0093	2.3			83.9												
	7.00	0.0003	0.0078	2.1	9.6		86.0												
VFINE SILT	7.25	0.0002	0.0065	1.9			88.0												
	7.50	0.0002	0.0055	1.8			89.8												
	7.75	0.0002	0.0046	1.7			91.5												
	8.00	0.0001	0.0039	1.6	7.0		93.0												
CLAY	8.25	0.0001	0.0033	1.4			94.4												
	8.50	0.0001	0.0028	1.3			95.7												
	8.75	0.0001	0.0023	1.1			96.9												
	9.00	0.0000	0.0019	1.0			97.8												
	9.25	0.0000	0.0016	0.8			98.6												
	9.50	0.0000	0.0014	0.6			99.2												
	9.75	0.0000	0.0012	0.5			99.7												
	10.00	0.0000	0.0010	0.3	7.0		100.0												

Appendix A4



GRAIN SIZE DISTRIBUTION							SORTING PARAMETERS				
	MESH	PHI	INCH	MM	SEP	SEP	CUM				
GRAVEL	5	-2.00	0.1575	4.0000	0.0		0.0	PERCENTILES:			
	6	-1.75	0.1323	3.3600	0.0		0.0				
	7	-1.50	0.1114	2.8300	0.0		0.0				
	8	-1.25	0.0937	2.3800	0.0		0.0				
	10	-1.00	0.0787	2.0000	0.0	0.0	0.0				
VCRS SD	12	-0.75	0.0661	1.6800	0.0		0.0	mm inches phi			
	14	-0.50	0.0555	1.4100	0.0		0.0				
	16	-0.25	0.0469	1.1900	0.0		0.0				
	18	0.00	0.0394	1.0000	0.0	0.0	0.0				
	20	0.25	0.0335	0.8500	0.0		0.0				
CRS SD	25	0.50	0.0280	0.7100	0.0		0.0	5 0.0219 0.0009 5.5146			
	30	0.75	0.0236	0.6000	0.0		0.0				
	35	1.00	0.0197	0.5000	0.0	0.0	0.0				
	40	1.25	0.0165	0.4200	0.0		0.0				
	45	1.50	0.0138	0.3500	0.0		0.0				
MED SAND	50	1.75	0.0117	0.2970	0.0		0.0	10 0.0184 0.0007 5.7606			
	60	2.00	0.0098	0.2500	0.0	0.0	0.0				
	70	2.25	0.0083	0.2100	0.0		0.0				
FINE SAND	80	2.50	0.0070	0.1770	0.0		0.0	16 0.0155 0.0006 6.0139			
	100	2.75	0.0058	0.1490	0.0		0.0				
	120	3.00	0.0049	0.1250	0.0	0.0	0.0				
	140	3.25	0.0041	0.1050	0.0		0.0				
VFINE SAND	170	3.50	0.0035	0.0880	0.0		0.0	25 0.0124 0.0005 6.3323			
	200	3.75	0.0029	0.0740	0.0		0.0				
	230	4.00	0.0024	0.0620	0.0	0.0	0.0				
	270	4.25	0.0021	0.0530	0.0		0.0				
CRS SILT	325	4.50	0.0017	0.0440	0.0		0.0	50 0.0081 0.0003 6.9405			
	400	4.75	0.0015	0.0370	0.0		0.0				
	500	5.00	0.0014	0.0310	0.4	0.4	0.4				
	5.25	0.0010	0.0260	1.6			2.1				
MED SILT	5.50	0.0009	0.0220	2.7			4.8	75 0.0043 0.0002 7.8494			
	5.75	0.0007	0.0190	4.1			8.9				
	6.00	0.0006	0.0160	5.7	14.2		14.7				
	6.25	0.0005	0.0130	7.6			22.3				
FINE SILT	6.50	0.0004	0.0110	9.3			31.6	84 0.0023 0.0001 8.7510			
	6.75	0.0003	0.0093	10.4			42.0				
	7.00	0.0003	0.0078	10.4	37.7		52.4				
	7.25	0.0002	0.0065	9.2			61.5				
VFINE SILT	7.50	0.0002	0.0055	7.2			68.7	90 0.0017 0.0001 9.2269			
	7.75	0.0002	0.0046	5.0			73.7				
	8.00	0.0001	0.0039	3.3	24.7		77.1				
	8.25	0.0001	0.0033	2.4			79.4				
CLAY	8.50	0.0001	0.0028	2.1			81.6	95 0.0014 0.0001 9.5095			
	8.75	0.0001	0.0023	2.5			84.1				
	9.00	0.0000	0.0019	3.1			87.2				
	9.25	0.0000	0.0016	3.6			90.8				
	9.50	0.0000	0.0014	3.7			94.5				
	9.75	0.0000	0.0012	3.8			98.1				
	10.00	0.0000	0.0010	1.9	22.9		100.0				

SURFACE AREA (m²/cc):				1.5076
STD DEVIATION (mm):				0.0066
STD DEVIATION (inches):				0.0003
GRAVEL PACK:				N/A
TRASK* FOLK** MOMENT**				
MEAN	0.0084	7.2351	7.3110	
MEDIAN	0.0081	6.9405	6.9405	
SORTING	1.6917	1.2896	1.2063	
SKEWNESS	0.8118	0.3046	0.5642	
KURTOSIS	0.2406	1.0793	2.4784	
* COMPUTED USING MILLIMETER VALUES				
** COMPUTED USING PHI VALUES				